

**UNIFIED SAN DIEGO COUNTY
EMERGENCY SERVICES ORGANIZATION
OPERATIONAL AREA EMERGENCY PLAN**

ANNEX J

CONSTRUCTION AND ENGINEERING OPERATIONS

March 2000

UNIFIED SAN DIEGO COUNTY EMERGENCY SERVICES ORGANIZATION

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CONSTRUCTION AND ENGINEERING OPERATIONS

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UNIFIED SAN DIEGO COUNTY EMERGENCY SERVICES ORGANIZATION

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INTRODUCTION

This Annex is intended to be used by the County, Cities, and Special Districts in the formation of their Emergency Plans. In many instances, because of size, jurisdictions may not have the personnel to fill all the positions shown at the Operational Area level.

Most jurisdictions in the San Diego County Operational Area have Public Works Departments. In the event of a major emergency or disaster, there will be a need for all affected jurisdictions and Special Districts for additional resources.

Jurisdictions which are members of the Unified Emergency Services Organization have agreed to assist each other with resources if they are available, provided their own recovery operations are not compromised. In addition, some of the jurisdictions have signed a Mutual Aid agreement with other Counties and Cities in Southern California. There is also a California Master Mutual Aid Agreement which has been signed by most, if not all, jurisdictions within the State.

Per the Standardized Emergency Management System (SEMS), Mutual Aid requests from jurisdictions and Special Districts within the Operational Area must be sent to the Operational Area Emergency Operations Center (EOC). The Logistics Section at the EOC will coordinate requests for mutual aid and will keep track of who needs what and where assets have been sent. The Logistics Section coordinates and forwards the requests to other jurisdictions, or the State Office of Emergency Services.

When the Mutual Aid assets are ordered, the sending party will be provided a staging area for the units to respond to, and a point of contact. It is the responsibility of the requesting jurisdiction to provide any additional logistical support, i.e., food, water, fuel and sleeping accommodations, for those assets.

ANNEX J

CONSTRUCTION AND ENGINEERING OPERATIONS

I. GENERAL

This Annex establishes the organizational responsibilities and prescribes actions and procedures required for the provision of restorative services and Mutual Aid during a disaster or extreme emergency within the San Diego County Operational Area.

A. Objectives

1. Describe the concept of operations, organization, and support systems necessary to implement this plan.
2. Provide the basis for the conduct and coordination of operations for Public Works Agencies in the San Diego Operational Area.
3. Provide an understanding of authority, responsibility, and operations during an emergency.

B. Activation and Termination

Activation and termination of this Annex shall be by the direction of (1) the County's Chief Administrative Officer (CAO) as the Area Coordinator of the Unified San Diego County Emergency Services Organization; (2) a designated Deputy CAO; (3) the Director, Office of Disaster Preparedness or a designated representative; or (4) the Director, Department of Public Works.

Activation normally occurs based on: Notification by ODP that the scope of an emergency will exceed the area's resources; a disaster which by its nature or severity automatically initiates activation of the plan; and/or a public media announcement that a disaster has occurred and that all personnel are to report to their disaster assignments.

Deactivation is normally accomplished by a phase-down procedure and a return to normal, pre-disaster operations. Operations then revert to activities for reconstituting local government activities, as needed and as directed by the Unified Disaster Council in accordance with standing policies and unified agreements.

II. ORGANIZATION AND RESPONSIBILITIES

A. Organization

The Director, Department of Public Works, manages County Public Works activities and related services in the unincorporated area of the County, and coordinates Public Works resources throughout the Operational Area. The County Department of Public Works, as organized for normal operations, will remain unchanged during emergency or disaster operations.

During a disaster period, additional duties are assumed by the various divisions within the department, as detailed on the attached organization chart.

B. Public Works Responsibilities

1. Maintain a call-back list of primary response personnel and instruct watch personnel on its use.
2. Provide personnel to represent the department in the Emergency Operations Center (EOC).
3. Provide personnel to staff the Emergency Information Center (EIC).
4. Develop and maintain current records of road and flood conditions throughout their jurisdiction.
5. Provide engineering and public service work.

Tasks (where applicable):

- a. Restore, maintain and operate essential services within their jurisdiction:
 - (1) Roads and bridges
 - (2) Storm drainage facilities
 - (3) Wastewater disposal plants, trunk sewers and laterals
 - (4) Airport facilities
 - (5) Rural transportation facilities
- b. Assist in the restoration of essential services in the incorporated cities of the County, if and when requested;
- c. Construct emergency facilities
 - (1) Bridges
 - (2) Alternate road access
 - (3) Alternate airport landing strips
 - (4) Temporary solid waste collection areas
 - (5) Temporary wastewater transmission lines;

- d. Provide engineering expertise and equipment to assist in search and rescue operations;
- e. Assist in providing for repair, modification and/or construction of emergency facilities and housing;
- f. The County may initiate "Plan Bulldozer" which will, through the assistance of the construction industry, maintain an inventory of resources and provide for procurement and allocation of heavy construction equipment and necessary equipment operators. "Plan Bulldozer" is a program for disaster assistance and control developed by the Associated General Contractors of California (AGC) and the State Office of Emergency Services. "Plan Bulldozer" is a plan for rapid mobilization of construction manpower and equipment in the event of a disaster, at currently existing rates;
- g. Maintain an inventory of heavy equipment;
- h. Manage and coordinate contracted transportation vehicles and facilities;
- i. Maintain an inventory of resources and provide for procurement and allocation of transportation resources.

C. Roles and Responsibilities

County: The County's Deputy Director of Public Works/Transportation Division has the prime responsibility to respond for the department in the event of an emergency. During disaster conditions, the Deputy Director shall:

- 1. Have direct control of all personnel, vehicles, and equipment assigned to the department;
- 2. Coordinate all interdepartmental contacts with other Deputy Directors;
- 3. Be responsible for providing heavy equipment and equipment operators for road restoration purposes. Additional personnel for equipment operation will be drawn from the Wastewater Division;
- 4. Be responsible for providing engineering personnel for engineering tasks related to reconstruction and rescue operations. Additional personnel for engineering assistance will be drawn from the Design Section;
- 5. Be responsible for coordinating the implementation of "Plan Bulldozer" with the AGC and the EOC;
- 6. Provide engineering support for the installation and operation of temporary traffic control devices, if needed, and the restoration of traffic related facilities. The Deputy Director will draw upon Traffic Section personnel for these services.

III. POLICIES AND PROCEDURAL GUIDELINES

The following general procedures have been developed to provide guidance in the implementation of this Annex:

A. Emergency Work Station

All Public Works Agency personnel should have a designated Emergency Work Station. This will generally be the station they normally report to during regular work hours, unless a different emergency work station has been previously assigned.

B. Alternate Emergency Work Station

In the event that Public Works' normal or emergency work stations are inoperable as a result of the disaster, or staff cannot get to their normal or emergency work stations, the following is a guide used by County DPW for reporting to alternative stations:

<u>Regular or Emergency Work Station</u>	<u>Alternate Work Station</u>
Co. Operations Center-San Diego	Div. I Headquarters-Jamacha
Div. I Headquarters-Jamacha	Co. Operations Center, San Diego
Div. II HQ San Marcos	Ramona Field Office
Maintenance Stations Countywide	Appropriate Division HQ
Wastewater Division-Kearny Mesa	Wastewater Operations/Spring Valley
Gillespie Field El Cajon	Ramona Airport
Palomar Airport Carlsbad	Ramona Airport
Ramona Airport	Gillespie Field El Cajon

C. Reporting Procedures During Plan Activation

Unless assigned to an emergency station, personnel will report by phone to their regular work station. When assigned to an emergency work station prior to the emergency, or telephone communications are out, personnel will report in person to their work station.

D. Operational Area

The Operational Area covered under this Annex is the entire county and all cities. The County Department of Public Works' responsibilities are within the unincorporated areas of San Diego County. When requested by proper authority, mutual aid services within incorporated cities and adjacent counties can be provided.

E. Departmental Operations Centers (DOC's)

All Public Works Agencies should designate alternate locations for their Departmental Operations Centers (DOCs) in the event that the primary location is unuseable. For example, the County Department of Public Works is headquartered at the County Operations Center at 5555 Overland Avenue, San Diego, CA. In the event this facility was damaged to the extent that it could not serve as a DOC, the DOC would be located at Division I Headquarters at 11970 Singer Lane, Spring Valley, as first choice, and then to Division II Headquarters at 1579 Osage St., San Marcos, as second choice.

IV. SUPPORTING ORGANIZATIONS AND RESPONSIBILITIES

A. Departments of General Services

1. Provide vehicles as needed.
2. Provide vehicle maintenance, repair and fueling services.
3. Provide architects, engineers, electricians and plumbers.
4. Provide communications support in the form of personnel and/or equipment.

B. Parks and Recreation Departments

Provide miscellaneous construction equipment.

C. Land Use Departments

1. Provide structural engineers and building inspectors for damage assessment activities, as well as recovery efforts.
2. Provide geologists for technical support.
3. Acquire water resources.

D. County Office of Education

Provide school buses for emergency transportation and evacuation.

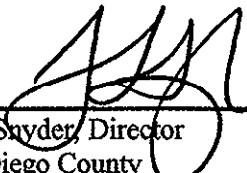
E. Construction Industry

Respond to requests for heavy equipment and labor in accordance with "Plan Bulldozer".


F. Transportation Industry

1. Provide buses for emergency transportation and evacuation.
2. Provide additional vehicular support.

AUTHENTICATION:



John Snyder, Director
San Diego County
Department of Public Works



Date

APPENDIX J-1

CONSTRUCTION AND ENGINEERING EMERGENCY ACTION CHECKLIST

RESPONSE TO A MAJOR EARTHQUAKE

Action

Responsibility

Check key facilities, public works yards, and other facilities to determine the extent of damage and ability to operate.

Public Works Agency

Assure that equipment under cover has been moved to open areas to prevent damage in the event of aftershocks.

Public Works Agency

IF LITTLE OR NO DAMAGE IS REPORTED, PREPARE TO SUPPORT MORE HEAVILY DAMAGED JURISDICTIONS.

IF EXTENSIVE DAMAGE IS REPORTED, TAKE THE FOLLOWING ACTIONS AS APPROPRIATE.

Determine priorities for construction and engineering activities.

Public Works Agency

Allocate personnel and equipment in accordance with established priorities.

Public Works Agency,
Human Resources Agency

Organize crews to clear debris when it hampers emergency response activities.

Public Works Agency

Provide barricades for traffic and access controls.

Public Works Agency

Assign engineering teams to determine capacity and safety of bridges, underpasses, and roadways.

Engineering Services
Section/Agency

Construct detours and alternate routes according to plans.

Public Works Agency/
Traffic Ops. Agency

Repair damage to essential routes.

Public Works Agency

Coordinate with utilities on repair efforts.

Utility Coordinators

Clear debris from waterways to prevent flooding.

Flood Control Agency

APPENDIX J-2

CONSTRUCTION AND ENGINEERING EMERGENCY ACTION CHECKLIST

RESPONSE TO HAZARDOUS MATERIALS INCIDENT

Action

Check with scene coordinator (HAZMAT, CHP, Environmental Health Fire Dept., etc.) to determine Agency involvement.

Responsibility

Public Works Agency

APPENDIX J-3

CONSTRUCTION AND ENGINEERING EMERGENCY ACTION CHECKLIST

RESPONSE TO IMMINENT/ACTUAL FLOODING

FLOODING EXPECTED

Action

Responsibility

Monitor Stream gauges and reservoir water levels.

Flood Control Agency

Mobilize work crews for flood fighting operations.

Public Works Agency,
Flood Control Agency

Coordinate sandbagging and drainage channel reinforcement.

Public Works Agency,
Flood Control Agency

Clear debris from channels to prevent backups.

Public Works Agency,
Flood Control Agency

Place damage assessment teams on standby.

Public Works Agency,
Engineering Agency

Move construction equipment to high ground.

Public Works Agency

Provide barricades for traffic and access controls.

Public Works Agency

FLOODING OCCURS

Report flooding/flooded areas to the EOC.

Flood Control Agency

Dispatch damage assessment teams to flooded areas.

Public Works Agency

Continue sandbagging efforts as feasible.

Public Works Agency

Begin debris clearance as situation permits.

Public Works Agency

Provide barricades for access control.

Public Works Agency

APPENDIX J-3

CONSTRUCTION AND ENGINEERING EMERGENCY ACTION CHECKLIST

RESPONSE TO IMMINENT/ACTUAL DAM FAILURE

DAM FAILURE IMMINENT

Action

Responsibility

Notification to the EOC

Flood Control Agency,
Water Agency

Move construction equipment to high ground.

Public Works Agency

Provide barricades for traffic and access control.

Public Works Agency

DAM FAILURE OCCURS

Provide barricades for access controls.

Public Works Agency

Provide water hauling equipment for emergency needs.

Water Agency